

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"5946295".pn. and (hop\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/11 11:33
L2	0	"6141325".pn. and (hop\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/11 11:34
L3	1	"6061736".pn. and (hop\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/11 11:35

L13	211	(US-20050030907-\$ or US-20040179516-\$ or US-20040170176-\$ or US-20040125753-\$ or US-20040105389-\$ or US-20040095907-\$ or US-20040090919-\$ or US-20040062209-\$ or US-20040028056-\$ or US-20030206527-\$ or US-20030161629-\$ or US-20030072298-\$ or US-20030067925-\$ or US-20030067924-\$ or US-20030058798-\$ or US-20030026254-\$ or US-20030025957-\$ or US-20030021279-\$ or US-20030016627-\$ or US-20030016411-\$ or US-20030016410-\$ or US-20030012138-\$ or US-20020167954-\$ or US-20020163884-\$ or US-20020145975-\$ or US-20020141352-\$).did. or (US-20020141343-\$ or US-20020131418-\$ or US-20020118687-\$ or US-20020114282-\$ or US-20020114278-\$ or US-20020110155-\$ or US-20020101822-\$ or US-20020089715-\$ or US-20020067727-\$ or US-20020064149-\$ or US-20020044567-\$ or US-20020036988-\$ or US-20020034162-\$ or US-20020027886-\$ or US-20020021675-\$ or US-20020010735-\$ or US-20020009092-\$ or US-20020009086-\$ or US-20020005968-\$ or US-20020005967-\$ or US-20010040885-\$ or US-20010038612-\$ or US-20010036183-\$ or US-20010026384-\$ or US-20040196787-\$ or US-20030063568-\$ or US-20020172157-\$).did. or (US-20040042406-\$ or US-20020181037-\$ or US-20020180957-\$ or US-20020145779-\$ or US-20020080437-\$ or	US-PGPUB; USPAT	OR	ON	2005/07/11 11:35
Search History	7/11/2005 12:34:39 PM	Page 2 US-20020030864-\$).did. or (US-6909700-\$ or US-6901076-\$ or				

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L14	20	L13 and (hop\$1 with cost)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/11 11:43
L15	3	L13 and (hop\$1 with cost with short\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/11 11:43
S1	859	370/254.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:03
S2	258	370/255.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:03
S3	214	370/256.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:03
S4	402	370/395.2.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:03
S5	393	370/395.21.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:03
S6	186	370/395.3.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:03
S7	214	370/395.31.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:04
S8	1161	370/400.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:07
S9	195	370/404.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:04
S10	165	370/907.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:04
S11	79	398/2.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:04
S12	64	398/3.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:04
S13	66	398/4.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:04
S14	213	398/5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:04

S15	79	398/7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:04
S16	1268	370/235.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:07
S17	169	370/237.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:07
S18	486	370/238.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 16:30
S19	5708	S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10 or S11 or S12 or S13 or S14 or S15 or S16 or S17 or S18	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S21	206	S19 and ((capacity or bandwidth) and (vendor\$1 or manufactur\$4) and (mileage\$1 or distance\$1 or kilometer\$1) and (origin\$5 or source\$1) and (terminat\$5 or destination\$1) and (cost))	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 13:13

S22	180	(US-20050030907-\$ or US-20040179516-\$ or US-20040170176-\$ or US-20040125753-\$ or US-20040105389-\$ or US-20040095907-\$ or US-20040090919-\$ or US-20040062209-\$ or US-20040028056-\$ or US-20030206527-\$ or US-20030161629-\$ or US-20030072298-\$ or US-20030067925-\$ or US-20030067924-\$ or US-20030058798-\$ or US-20030026254-\$ or US-20030025957-\$ or US-20030021279-\$ or US-20030016627-\$ or US-20030016411-\$ or US-20030016410-\$ or US-20030012138-\$ or US-20020167954-\$ or US-20020163884-\$ or US-20020145975-\$ or US-20020141352-\$).did. or (US-20020141343-\$ or US-20020131418-\$ or US-20020118687-\$ or US-20020114282-\$ or US-20020114278-\$ or US-20020110155-\$ or US-20020101822-\$ or US-20020089715-\$ or US-20020067727-\$ or US-20020064149-\$ or US-20020044567-\$ or US-20020036988-\$ or US-20020034162-\$ or US-20020027886-\$ or US-20020021675-\$ or US-20020010735-\$ or US-20020009092-\$ or US-20020009086-\$ or US-20020005968-\$ or US-20020005967-\$ or US-20010040885-\$ or US-20010038612-\$ or US-20010036183-\$ or US-20010026384-\$).did. or (US-6909700-\$ or US-6901076-\$ or US-6894991-\$ or US-6876655-\$ or US-6873601-\$ or US-6868234-\$ or US-6865170-\$ or US-6850521-\$ or US-6842431-\$ or US-6842425-\$ or US-6836483-\$ or US-6826158-\$ or US-6823395-\$ or US-6819670-\$ or US-6810037-\$ or US-6801523-\$ or US-6794140-\$ or US-6788649-\$ or US-6785261-\$ or US-6775267-\$ or US-6760305-\$ or US-6747984-\$ or	US-PGPUB; USPAT	OR	ON	2005/06/29 13:33
Search History	7/11/2005 12:24:39 PM	Page 5	of 5	C:\Documents and Settings\cheinrichs\My Documents\EA ST Workspaces\09993592.wsp		

S23	180	S22 and ((capacity or bandwidth) and (vendor\$1 or manufactur\$4) and (mileage\$1 or distance\$1 or kilometer\$1) and (origin\$5 or source\$1) and (terminat\$5 or destination\$1) and (cost))	US-PGPUB; USPAT	OR	ON	2005/06/29 13:53
S24	174	S22 and ((capacity or bandwidth) and (vendor\$1 or manufactur\$4) and (mileage\$1 or distance\$1 or kilometer\$1) and (origin\$5 or source\$1) and (terminat\$5 or destination\$1) and (cost) and rout\$4)	US-PGPUB; USPAT	OR	ON	2005/06/29 16:17
S25	497	S19 and divers\$4	US-PGPUB; USPAT	OR	ON	2005/06/29 14:39
S26	63	S22 and (((spare or available)adj3(capacity or bandwidth)) and (vendor\$1 or manufactur\$4 or (wavelength\$1)) and (mileage\$1 or distance\$1 or kilometer\$1) and (origin\$5 or source\$1) and (terminat\$5 or destination\$1) and (cost) and rout\$4)	US-PGPUB; USPAT	OR	ON	2005/06/29 16:20
S27	12	S22 and (((spare or available)adj3(capacity or bandwidth)) and (vendor\$1 or manufactur\$4 or (wavelength\$1)) and (mileage\$1 or distance\$1 or kilometer\$1) and (origin\$5 or source\$1) and (terminat\$5 or destination\$1) and ((link\$1 or rout\$4) adj1 cost\$4) and rout\$4)	US-PGPUB; USPAT	OR	ON	2005/06/29 16:21
S28	47	S18 and sonet	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 16:31
S29	19	S18 and (converg\$ with algorithm\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 16:33
S30	4	S29 and S28	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 16:31
S31	859	370/254.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S32	258	370/255.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S33	214	370/256.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46

S34	402	370/395.2.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S35	393	370/395.21.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S36	186	370/395.3.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S37	214	370/395.31.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S38	1161	370/400.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S39	195	370/404.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S40	165	370/907.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S41	79	398/2.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S42	64	398/3.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S43	66	398/4.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S44	213	398/5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S45	79	398/7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S46	1268	370/235.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S47	169	370/237.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S48	486	370/238.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S49	5708	S31 or S32 or S33 or S34 or S35 or S36 or S37 or S38 or S39 or S40 or S41 or S42 or S43 or S44 or S45 or S46 or S47 or S48	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46

S50	5708	S49	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:46
S51	434	S50 and ((shortest adj2 distance\$1) awith ((least or lowest or minimum) adj1 cost))	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:47
S52	2	S50 and ((shortest adj2 distance\$1) with ((least or lowest or minimum) adj1 cost))	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/29 17:51
S53	27	S50 and ((shortest adj2 distance\$1) and ((least or lowest or minimum) adj1 cost))	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:34
S54	862	370/254.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S55	258	370/255.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S56	214	370/256.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S57	405	370/395.2.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S58	395	370/395.21.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S59	188	370/395.3.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S60	216	370/395.31.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S61	1164	370/400.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S62	196	370/404.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S63	166	370/907.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S64	79	398/2.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S65	64	398/3.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35

S66	66	398/4.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S67	213	398/5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S68	79	398/7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S69	1273	370/235.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S70	170	370/237.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S71	487	370/238.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S72	5730	S54 or S55 or S56 or S57 or S58 or S59 or S60 or S61 or S62 or S63 or S64 or S65 or S66 or S67 or S68 or S69 or S70 or S71	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S73	5730	S72	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:35
S74	46	S73 and ((diverse or diversity) adj3 (route or routing or routes))	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 10:36
S75	2	("5946295").URPN.	USPAT	OR	ON	2005/06/30 11:30
S76	5	("5515367"   "5564021"   "5657142"   "5729692"   "5787271").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 11:31
S77	0	("2004/0042406").URPN.	USPAT	OR	ON	2005/06/30 12:32
S78	5	(("6,016,306") or ("4,905,233") or ("5,088,032") or ("5,067,127") or ("6,301,244")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/30 15:44
S79	0	(09/685953).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/30 15:44
S80	0	"685953".an.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 15:45
S81	4	"685953".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/30 15:45
S82	2	("5946295").URPN.	USPAT	OR	ON	2005/07/05 19:14
S83	2	("5946295").URPN.	USPAT	OR	ON	2005/07/05 19:15

S84	5	("5515367"   "5564021"   "5657142"   "5729692"   "5787271").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/05 19:16
S86	1	"5946295".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/08 15:09
S87	0	S86 and (spare with capacity)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/08 15:09
S88	0	S86 and (capacity)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/08 16:53

S89	211	(US-20050030907-\$ or US-20040179516-\$ or US-20040170176-\$ or US-20040125753-\$ or US-20040105389-\$ or US-20040095907-\$ or US-20040090919-\$ or US-20040062209-\$ or US-20040028056-\$ or US-20030206527-\$ or US-20030161629-\$ or US-20030072298-\$ or US-20030067925-\$ or US-20030067924-\$ or US-20030058798-\$ or US-20030026254-\$ or US-20030025957-\$ or US-20030021279-\$ or US-20030016627-\$ or US-20030016411-\$ or US-20030016410-\$ or US-20030012138-\$ or US-20020167954-\$ or US-20020163884-\$ or US-20020145975-\$ or US-20020141352-\$).did. or (US-20020141343-\$ or US-20020131418-\$ or US-20020118687-\$ or US-20020114282-\$ or US-20020114278-\$ or US-20020110155-\$ or US-20020101822-\$ or US-20020089715-\$ or US-20020067727-\$ or US-20020064149-\$ or US-20020044567-\$ or US-20020036988-\$ or US-20020034162-\$ or US-20020027886-\$ or US-20020021675-\$ or US-20020010735-\$ or US-20020009092-\$ or US-20020009086-\$ or US-20020005968-\$ or US-20020005967-\$ or US-20010040885-\$ or US-20010038612-\$ or US-20010036183-\$ or US-20010026384-\$ or US-20040196787-\$ or US-20030063568-\$ or US-20020172157-\$).did. or (US-20040042406-\$ or US-20020181037-\$ or US-20020180957-\$ or US-20020145779-\$ or US-20020080437-\$ or	US-PGPUB; USPAT	OR	ON	2005/07/08 15:20
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 US-20020030864-\$).did. or  
 /US-6909700-\$ or US-6901076-\$ or

S90	10	S89 and (spare adj1 capacity)	US-PGPUB; USPAT	OR	ON	2005/07/08 16:06
S92	27	S89 and ((spare or extra or unused or leftover or open or additional or reserve\$1 or excess or surplus) adj1 capacity)	US-PGPUB; USPAT	OR	ON	2005/07/08 16:10
S93	2	S89 and ((calculat\$4 or comput\$4 or determin\$4 or find\$4 or estimate) adj2 (spare or extra or unused or leftover or open or additional or reserve\$1 or excess or surplus) adj1 capacity)	US-PGPUB; USPAT	OR	ON	2005/07/08 16:12
S94	3	S89 and ((calculat\$4 or comput\$4 or determin\$4 or find\$4 or estimate) adj5 (spare or extra or unused or leftover or open or additional or reserve\$1 or excess or surplus) adj1 capacity)	US-PGPUB; USPAT	OR	ON	2005/07/08 16:12
S95	6	S89 and ((calculat\$4 or comput\$4 or determin\$4 or find\$4 or estimate) adj5 (spare or extra or unused or leftover or open or additional or reserve\$1 or excess or surplus) adj3 capacity)	US-PGPUB; USPAT	OR	ON	2005/07/08 16:13
S96	11	S89 and ((calculat\$4 or comput\$4 or determin\$4 or find\$4 or estimate) adj5 (spare or extra or unused or leftover or open or additional or reserve\$1 or excess or surplus) adj3 (capacity or bandwidth or throughput))	US-PGPUB; USPAT	OR	ON	2005/07/08 16:17
S97	18	S89 and ((calculat\$4 or comput\$4 or determin\$4 or find\$4 or estimate) adj5 (spare or extra or unused or leftover or open or additional or reserve\$1 or excess or surplus or available) adj3 (capacity or bandwidth or throughput))	US-PGPUB; USPAT	OR	ON	2005/07/08 16:18
S98	1	S86 and (capacity or bandwidth or throughput)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/08 17:40
S99	35	"I12" and (optical and vendor)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/08 17:41
S100	51	S89 and (optical and vendor)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/08 17:58
S101	8	S89 and (optical and (vendor with (ID or data or identity or identification or indicator or signature)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/11 09:26

S10 2	11	"I14" and (optical and ((vendor or manufacturer) with (ID or data or identity or identification or indicator or signature)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/11 09:27
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S10 3	211	(US-20050030907-\$ or US-20040179516-\$ or US-20040170176-\$ or US-20040125753-\$ or US-20040105389-\$ or US-20040095907-\$ or US-20040090919-\$ or US-20040062209-\$ or US-20040028056-\$ or US-20030206527-\$ or US-20030161629-\$ or US-20030072298-\$ or US-20030067925-\$ or US-20030067924-\$ or US-20030058798-\$ or US-20030026254-\$ or US-20030025957-\$ or US-20030021279-\$ or US-20030016627-\$ or US-20030016411-\$ or US-20030016410-\$ or US-20030012138-\$ or US-20020167954-\$ or US-20020163884-\$ or US-20020145975-\$ or US-20020141352-\$).did. or (US-20020141343-\$ or US-20020131418-\$ or US-20020118687-\$ or US-20020114282-\$ or US-20020114278-\$ or US-20020110155-\$ or US-20020101822-\$ or US-20020089715-\$ or US-20020067727-\$ or US-20020064149-\$ or US-20020044567-\$ or US-20020036988-\$ or US-20020034162-\$ or US-20020027886-\$ or US-20020021675-\$ or US-20020010735-\$ or US-20020009092-\$ or US-20020009086-\$ or US-20020005968-\$ or US-20020005967-\$ or US-20010040885-\$ or US-20010038612-\$ or US-20010036183-\$ or US-20010026384-\$ or US-20040196787-\$ or US-20030063568-\$ or US-20020172157-\$).did. or (US-20040042406-\$ or US-20020181037-\$ or US-20020180957-\$ or US-20020145779-\$ or US-20020080437-\$ or	US-PGPUB; USPAT	OR	ON	2005/07/11 09:27
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US-20020030884-\$).did. or  
(US-6909700-\$ or US-6901076-\$ or

S10 4	9	S103 and ((optical and ((vendor or manufacturer) with (ID or data or identity or identification or indicator or signature)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/11 11:32
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